O. H. M. S.

W. J. Gerald

Deputy Minister.

LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 122

HONEY 1906

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OTTAWA, July 9, 1906.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR,—I beg to transmit herewith a tabulated statement of the results of examining 54 samples of honey, which were collected during the months of March and April last. The methods of examination followed were the same as described in Bulletin No. 90, the remarks in which as regards standards and limits are again applicable. There were 54 samples collected in all, and the following summary gives the number obtained in each inspection district, and the opinions arrived at concerning their character.—

Inspection District.	Genuine.	Adulteration Declared.	Adulterated.	Total.
Nova Scotia	4	0	0	4
Prince Edward Island	2	0	0	2
New Brunswick	4	0	0	4
Quebec	3	1	1	5
St. Hyacinthe	3	0	1	4
Montreal	6	0	0	6
Ottawa	5	0	0	5
Kingston	3	0	1	4
Toronto	5	0	0	5
London	4	0	1	5
Manitoba	1	0	3	4
Calgary	1	0	1	2
British Columbia	3	0	1	4
	44	1	9	54

It will be seen that 44 out of 54 samples were found to be genuine, a proportion amounting to 81·5, and which is nearly the same as found in the collection of 1903.

I have the honour to be, sir,

Your obedient servant,

THOMAS MACFARLANE,
Chief Analyst.

Description of 54 Samples of Honey analysed

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Size.		Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1906.			*District of Nova Scotia—R. J. Waugh, Inspector.*				
Mar. 28	Honey.....	27401	Cornwallis Trading Co., Canning, N. S.	3 jars.	75 c.	E. A. Lewis, Pereau, N. S.	Labelled pure honey. Put up by E. A. Lewis, Linden Farm.
" 28	"	27402	N. W. Eaton & Co., Canning, N. S.	3 "	75 c.	Chas. Ells, Canard, N. S.	No label .....
" 29	"	27403	T. L. Harvey, Wolfville, N. S.	2 "	50 c.	H. Johnston, Wolfville, N. S.	" .....
" 30	"	27406	Larder, Hubley & Co., Halifax, N. S.	2 lbs.	35 c.	Unknown. Supplied by Fearman & Co., Hamilton, Ont.	" .....
			District of Prince Edward Island—T. Moore, Inspector.				
Mar. 29	Honey.....	28263	C. D. Rankin, Charlottetown.	3 bots.	75 c.	Not known.....	.....
" 31	"	28265	J. Ching, Summerside.	3 "	60 c.	Fawcett Honey Co., Ltd., Memramcook, N. B.	.....
			District of New Brunswick—J. C. Ferguson, Inspector				
Mar. 29	Honey	24143	National Drug & Chemical Co., Ltd., 29-33 Mill street, St. John, N. B., Branch.	3 "	60 c.	Willard & Co., Toronto, Ont.	Labelled pure white clover honey. The Canadian Drug Co., Ltd., Wholesale Druggists, St. John, N. B.
" 30	"	24144	W. A. Simonds, 89 Union street, St. John, N. B.	3 jars.	90 c.	Fawcett Honey Co., Memramcook, Westmoreland, Co., N. B.	Labelled. Warranted pure honey.
" 31	"	24148	Vanwart Bros., Grocers, Cor. Dock & Charlotte streets, St. John, N. B.	3	$1.05	Wm. W. Cassidy, Clover Hill, N. B.	Labelled 'extracted honey.' Warranted pure from clover.
April 4	"	24149	W. Fenwick, city market, wholesale stall, St. John, N. B.	3	60	Maple Leaf Apiary Colpitts Bros., Pleasant Vale, Albert Co., N. B.	Labelled 'honey.' Maple Leaf Apiary, Colpitts Bros. Pleasant Vale, Albert Co., N. B.
			District of Quebec—C. E. Roy, Inspector.				
Mar. 23	Honey.....	29076	Hamel & Bedard, Que.	3 jars.	60c.	Hamel, Anne Lorette, Apiculteur.	.....
" 24	"	29078	Baller Bros. & Sons, Que.	3 lbs.,	$1.00	Verret, Charlesbourg, Apiculteur.	.....
" 28	"	29080	S. Martel, Que.....	3 "	60c.	Gauvreau et Fr	Marked compound.

in the Inland Revenue Laboratory, Ottawa, 1906.

Analyst's Names.	Direct Reading of Saccharimeter.	Water Loss on drying at 70° C.	Physical Characters.	Reducing sugar by Fehling solution.	Reducing sugar after Inversion.	Cane Sugar.	Test for Dextrine.	No. of Sample.	Remarks by the Chief Analyst.
	°	p.c.		p. c.	p. c.	p. c.			
Miss E. Davidson	−9·4	21·80	Coloured light yellow; partly crystallised.	.....	.....	.....	.....	27401	Genuine.
"	−8·4	20·40	Yellow; crystallised almost throughout.	.....	.....	.....	.....	27402	"
"	−8·7	22·00	Yellow; clear...	.....	.....	.....	.....	27403	"
"	−7·5	19·40	Colourless; crystallised throughout.	.....	.....	.....	.....	27406	"
Miss E. Davidson	−8·2	21·60	Yellow; clear...	.....	.....	.....	.....	28263	"
"	−13·5	19·40	" "	.....	.....	.....	.....	28265	"
A. Lemoine.	−15·0	18·65	Light yellow; strained.	.....	.....	.....	.....	24143	"
"	−14·8	18·85	Brownish; strained.	.....	.....	.....	.....	24144	"
"	−21·0	20·85	Light brown; strained.	.....	.....	.....	.....	24148	"
Miss E. Davidson	−15·1	26·40 25·80	Brown; slightly crystallised, smells of buckwheat.	.....	.....	.....	.....	24149	"
A. Lemoine.....	−3·0	19·10	Light yellow; strained.	.....	.....	.....	.....	29076	Genuine.
"	+3·0	18·25	Pale yellow; strained.	56·48	80·69	24·21	None...	29078	Adulterated with cane sugar.
"	−5·5	20·75	Pale yellow; partly crystallised.	67·95	74·47	6·52	.....	29080	Adulteration declared.

DESCRIPTION of 54 Samples of Honey analysed

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1906.			*District of Quebec—C. E. Roy, Inspector—* Concluded.			
Mar. 29	Honey.....	29081	O. Boivin, Que.	3 jars, 60c.	N. Rioux et Cie, Que.	.....
" 30	"	29083	Pouliot et Delage, Que.	3 jars, 45c.	Dr. Ed. Morin et Cie.	.....
			District of St. Hyacinthe —J. C. Rouleau, Inspector.			
" 26	Honey	[illegible]5	G. Dupuis, St. Jean, Que.	3 glass, 30c.	J. Fortin, Napierville, Que.	.....
" 27	"	24696	Bray Bros., Sherbrooke, Que.	3 jars, 90c.	Not known	.....
April 4	Canadian Honey.	24697	G. A. Poirier, Que.	3 " 30c.	Jos. Lamoureux, Montreal.	Marked and sold Canadian honey and compound, the latter word in small letters.
" 5	Upton's Pure Honey.	24698	Beaudry et Frères, Weedon Station.	3 " 54c.	Upton.	.....
			District of Montreal—J. J. Costigan, Inspector.			
Mar. 29	Honey.....	25083	G. Lafortune, Bonsecour Market, Montreal	4-lb. tin, 40c.	Not known.....	No label. Sold as pure.
" 29	"	25084	N. Ethier, Bonsecour Market, Montreal.	5-lb. tin, 50c.	Joseph Bourgela, Montreal.	" "
" 29	" (white)	25085	Gunn & Langlois et Cie, St. Paul st., Montreal, wholesale merchants.	3 lbs. 24c.	Not known.....	Sold as pure.....
" 29	" (brown)	25086	" "	3 " 24c.	"	" .....
" 29	"	25087	Thomas Lamb, 761 Notre Dame, east, Montreal.	3 jars, 39c.	Howe & McIntyre, Montreal.	" .....
" 29	"	25088	A. E. Savageau, 667 St. Catherine, east, Montreal.	3 lbs. 30c.	Gunn, Langlois et Cie.	From bulk. Sold as pure.
			District of Ottawa—A. E. Sanderson, Inspector.			
Mar. 27	Honey.	29217	Kavanagh Bros., Sparks st., Ottawa.	3 jars, 60c.	Castle Co., Ltd., Ottawa	No label; would not say as to purity.
" 28	"	29220	Mathews Co., Ltd., Bank st., Ottawa.	3 " 60c.	Allen & Kendall, Otawa.	Labelled pure honey.
" 28	"	29213	Wm. McAllister, Albert st., west end, Ottawa.	3 " 30c.	Not known.....	Labelled pure honey.
" 30	" ...	29221	W. G. Thomson, Bank st., Ottawa.	3 bots, 75c.	George Kemp, Navan, Ont.	Labelled from the Apiary of George Kemp, Navan, Ont.
" 30	"	29222	Geo. H. Hopper, 211 Bank st., Ottawa.	3 " 45c.	F. J. Castle Co., Ltd., Ottawa.	No label... .....

in the Inland Revenue Laboratory, Ottawa, 1906.—*Continued.*

Analyst's Name.	Direct Reading of Saccharimeter.	Water Loss on drying at 70° C.	Physical Characters.	Reducing sugar by Fehling solution.	Reducing sugar after Inversion.	Cane Sugar.	Test for Dextrine.	No. of Sample.	Remarks by the Chief Analyst.
	°	p.c.		p.c.	p.c.	p.c.			
A. Lemoine.....	−2·5	19·50	Light yellow; clear.	.....	.....	.....	None...	29081	Genuine.
"	+3·6	20·80	" " ..	62·90	71·35	8·45	.....	29083	"
Miss E. Davidson	−5·0	21·60	Dark brown; crystallised almost throughout.	.....	.....	.....	.....	24695	"
" "	−14·8	23·00	Colourless; crystallised throughout.	.....	.....	.....	.....	24696	"
A. Lemoine....	+93·8	25·85	Brown coloured; clear.	47·54	55·41	7·87	None...	24697	Adulterated with glucose syrup.
Miss E. Davidson	−13·0	19·30 20·20	Dark brown; rather thick, strong taste.	.....	.....	.....	.....	24698	Genuine.
A. Lemoine.....	−12·0	23·75	Brown; partly crystallised.	.....	.....	.....	.....	25082	"
"	−9·0	18·65	Colourless, crystalline mass.	.....	.....	.....	.....	25084	"
" ..	−13·0	20·15	Light yellow; strained.	.....	.....	.....	.....	25085	"
"	−10·0	20·00	Dark yellow; almost wholly crystallised.	.....	.....	.....	.....	25083	"
Miss E. Davidson	−11·0	20·20	Yellow; crystallised almost throughout.	.....	.....	.....	.....	25087	"
" " ..	−4·0	23·80	Brown; partly crystallized.	.....	.....	.....	.....	25083	"
A. Lemoine.....	−10·5	19·20	Colourless; clear	.....	.....	.....	.....	29217	Genuine.
"	−10·0	18·75	Yellowish; clear	.....	.....	.....	.....	29220	"
Miss E. Davidson	−10·2	22·40 22·60	Dark yellow; slightly crystallised.	.....	.....	.....	.....	29213	"
" ..	−7·0	21·80 21·60	Yellow; slightly crystallised.	.....	.....	.....	.....	29221	"
" ..	−6·7	21·20 21·40	Yellow; slightly crystallised.	.....	.....	.....	.....	29222	"

Description of 54 Samples of Honey analysed

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
1906.			*District of Kingston—J. Hogan, Inspector.*			
Mar. 21	Honey.....	28576	J. Nesbitt, Johnston st., Kingston.	1½ pts., 38c.	Bartels, Morven, Ont.	.....
" 21	"	28578	A. Glover, Earl st., Kingston.	3 lbs., 45c.	Not known..	.....
" 22	"	28580	A. Bridge, Division st., Kingston.	3 pts., 75c.	A. Bridge, Kingston.	.....
" 22	"	28583	J. Redden, Princess st., Kingston.	1½ lbs., 50c.	T. J. Spratt, Wolfe Island.	.....
			District of Toronto—W. H. McPhie, Inspector.			
Mar. 23	Honey.....	29106	Battram & Co., King st. west, Hamilton, Ont.	3 pts., 30c.	Bottled by vendor.	Only had two jars.
" 30	"	29114	F. Millman, Dundas st., Woodstock, Ont.	3 " 60c.	J. B. Hall, Woodstock, Ont.	.....
April 2	"	29118	White & Co., Toronto, Ont	3 " 30c.	Jno. Fee, Front st., Toronto, Ont.	The label has no manufacturer's name on it.
" 2	" ...	29120	Medland Bros., Yonge st., Toronto, Ont.	3 jars, 45c.	Geo. Laing, Milton, Ont.	.....
" 3	"	29121	J. O. Carpenter, Market st., Hamilton, Ont.	3 " 39c.	Samuel Grimsby..	.....
			District of London—T. Kidd, Inspector.			
Mar. 23	Honey(bulk)	22460	A. G. Ault, grocer, Seaforth, Ont.	2 qts., 20c.	William Hartley, Seaforth, Ont.	No producers label.
" 24	" " .	22464	A. D. Beaton, grocer, Clinton, Ont.	2 " 25c.	Samuel Barr, Clinton, Ont.	" " ..
" 27	"	22465	E. O. Flaherty, grocer, Stratford, Ont.	2 " 25c.	Balford & Co., wholesale, Hamilton, Ont.	" " ..
" 28	"	22468	William Metcalf, grocer, Berlin, Ont.	2 " 20c.	White & Co, wholesale, Toronto, Ont.	" " ..
" 29	"	22473	J. D. Elliott, grocer, Tottenham, Ont.	1 pt., 25c.	George Hollingshead, Tottingham, Ont.	.....
			District of Manitoba—W. M. Conklin, Inspector.			
April 4	Honey.....	25741	Campbell Bros. & Wilson, Winnipeg, Man.	2 lbs., —	Vendors.....	Sold as a compound.
" 4	"	25743	The A. Macdonald Co., Winnipeg, Man.	3 " 50c.	The McPherson Fruit Co., Winnipeg, Man.	Marked pure white clover honey extracted.
" 5	"	25744	R. Mackenzie & Co., Winnipeg, Man.	3 " 50c.	Dundas & Flavelle Bros. Lindsay, Ont.	Labelled 'extracted honey.'
" 6	"	25748	Bright & Johnston, Winnipeg, Man.	3 " 45c.	Vendors	Put up by vendors.

in the Inland Revenue Laboratory, Ottawa, 1906—*Continued.*

Analyst's Names.	Direct Reading of Saccharimeter.	Water Loss on drying at 70° C.	Physical Characters.	Reducing Sugar by Fehling solution.	Reducing Sugar after Inversion.	Cane Sugar.	Test for Dextrine.	No. of Sample.	Remarks by the Chief Analyst.
	°	p.c.		p.c.	p.c.	p.c.			
A. Lemoine.....	−13·0	20·85	White crystalline mass.	.....	.....	.....	.....	28576	Genuine.
"	− 8·0	21·45	Light yellow; comb separated	.....	.....	.....	.....	28578	"
"	−11·5	22·50	Light yellow; partly crystallised.	.....	.....	.....	.....	28580	"
"	+ 4·5	19·5	Light brown with some honey comb.	52·0	79·52	27.53	None.	28583	Adulterated with cane sugar.
A. Lemoine.....	−14·5	22·60	Yellow; partly crystallised.	.....	.....	.....	.....	29106	Genuine.
"	−13·5	21·75	Yellow; clear ..	.....	.....	.....	.....	29114	"
"	−14·0	21·85	White; partly crystallised.	.....	.....	.....	.....	29118	"
"	−14·5	20·50	White; opaque.	.....	.....	.....	.....	29120	"
"	−16·0	20·15	Yellow; mostly crystals.	.....	.....	.....	.....	29121	"
A. Lemoine.....	−14·3	22·00	Whitish; mostly crystals.	.....	.....	.....	.....	22460	Genuine.
"	−15·0	23·75	Light yellow; partly crystallised.	.....	.....	.....	.....	2246	"
"	−16·0	27·75	Whitish; partly crystallised.	.....	.....	.....	.....	22465	"
"	−13·0	25·85	" " ..	.....	.....	.....	.....	22468	"
Miss E. Davidson.	+ 4·5	23·00	Light yellow; partly crystallised.	66·11 66·20	91·38 90·40	24·01 22·99	None...	22473	Adulterated with cane sugar.
"	+26·5	18.20 18·40	Yellow, thick and clear.	48·50 48·61	89·84 91·20	39·27 40·46	None...	25741	Not labelled 'compound,' therefore adulterated.
"	+ 9·1	25·80 26·00	Yellow and clear.	58·42 58·24	87·48 87·28	27·60 27·59	None...	25743	" "
"	−18·5	20·20	Light yellow; crystallized almost throughout.	69·51 69·60	89·84 90·02	19.31 19·40	Trace.	25744	Adulterated with cane sugar.
.....	− 0·5	20·80 20·60	Yellow; rather thick.	.....	.....	.....	.....	25748	Genuine.

in the Inland Revenue Laboratory, Ottawa, 1906—*Concluded.*

Analyst's Names.	Direct Reading of Saccharimeter.	Water Loss on drying at 70° C.	Physical Characters.	Reducing sugar by Fehling solution.	Reducing sugar after Inversion.	Cane Sugar.	Test of Dextrine.	No. of Sample.	Remarks by the Chief Analyst.
	°	p.c.		p.c.	p.c.	p.c.			
Miss E. Davidson.	+26·0	18·20	Yellow; clear; very thick.	49·48 49·76	92·56 92·72	40·92 40·81	None...	28627	Adulterated with cane sugar.
"	−16·6	21·20	White; crystallised throughout.	.....	.....	.....	.....	28631	Genuine.
"	− 8·2	17·40 17·20	Pale yellow; thick; slightly crystallised.	.....	.....	.....	.....	28059	Genuine.
"	−12·5	21·60 21·80	Dark brown; not very clear.	.....	.....	.....	.....	28061	"
A. Lemoine.....	−11·0	19 35	Light yellow; partly crystallised.	.....	.....	.....	.....	28064	"
"	+34·0	15·25	Brownish; clear.	63·48	71·74	8.26	Present.	28066	Adulterated with glucose syrup.